CHRONO 4

TEMERARIO

USER MANUAL

EBERHARD & CO

Manufacture Suisse d'Horlogerie depuis 1887

The Eberhard & Co. watch manufactory was founded by Georges-Emile Eberhard at La Chaux-de-Fonds back in 1887. Ever since, the venture has specialised in the making of chronographs.
In this capacity, it has attained a highly respected position in the world of high-grade watches. With the introduction, at a later stage, of sportively elegant watches it has furthermore augmented this status of the Eberhard & Co. brand name.
Eberhard's success story is backed by consistent deployment of advanced technology, meticulous craftsmanship and, not least, by observing that long tradition of superior workmanship which has made Swiss watchmaking a household name. Today, with well over a century gone by, watches by Eberhard & Co. continue to stand for that high-grade quality and those excellent virtues which will please even the most demanding of connoisseurs.

CHRONO 4
édition spéciale

EBERHARD & CO. REVOLUTIONIZES CHRONOGRAPH READ-OFF

Following the revolutionary CHRONO 4 meet TEMERARIO, Eberhard & Co.'s most daring and innovative interpretation of the chronograph, thanks to which Eberhard & Co. defines a new way of measuring time.
The auxiliary dials and the counters are arranged in a vertical row. The two chronograph push buttons, which resemble two tiny wings, appear on the side of the case. A small, secret chamber encases the crown. The tonneau shape, which is domed, has a slightly arched caseback that allows it to snugly adhere to the wrist. All these are but a few of the distinctive features of this watch that counts three exclusive patents. One of these regards the movement, another concerns the access system to the crown, and a third relates to the safety clasp of the leather strap.
CHRONO 4 TEMERARIO's ground-breaking design challenges current aesthetic and technical parameters and reconfirms Eberhard & Co. at the apex of innovation in the field of traditional high-quality mechanical watch making.
"CHRONO4 TEMERARIO EDITION SPECIALE 2006", from which only 370 pieces have been produced, was presented as an exclusivity at Baselworld.

Registered design - Patented

A Push button to start and stop the chronograph
B Push button for setting to zero all hands of the chronograph
C Winding crown
D Hours-hand of the watch
E Minutes-hand of the watch
F Small continuous seconds-hand
G Centre seconds-hand of the chronograph
H Small minutes-hand of the chronograph
I Small hours-hand of the chronograph
L 24-hours indicator
M Date
N Tachometer scale
O Access and protection device of the crown

FEATURES

Mechanical chronograph with automatic winding and an exclusive device by Eberhard & Co. in the form of four counters with a vertical row alignment. The stainless steel case with DLC coating is water resistant up to 30 meters and the sapphire glass is domed, the caseback is fixed by four screws. The special sword-shaped skeleton hands are highlighted by luminescent points to allow read-off when it's dark.

The chronograph is available in the following version:

– crocodile leather strap, with deployment clasp Déclic

THE DLC PROCESS

The particular DLC – Dianoir® process used by Eberhard & Co., which the whole case of the "CHRONO 4 TEMERARIO" undergoes, consists in generating a carbon plasma that deposits itself under control and in its pure state on the steel surface. This special technique, patented, is particularly effective.

This DLC protective coating is colourless and has a three-dimensional structure like a diamond with a purity of 80 to 95%. At the moment it is applied on steel, with a thickness of more than 1,5 to 2 microns, as on the case of the model "CHRONO4 TEMERARIO", it turns black giving thus a decorative and pleasant look to the surface: a perfect combination of high technical research and charming aesthetics.

This process, protected by an international patent, is unique and allows the production and the deposition on surfaces of tetrahedral amorphous carbon, which is pure carbon without hydrogen. It makes the coating:

- resistant to humidity,
- extremely hard 5,300 HV (nearly three times harder than alternative carbon coatings) and resistant to surface scratches,
- perfectly adherent.

Compared to other similar applications, this surfaces' coating process is made at very low temperature and therefore allows to work on complex and finished pieces without damaging them.

READING THE DIAL

On the "CHRONO 4 TEMERARIO" dial there are 4 counters, arranged in one vertical row, having the following functions:

- Small continuous seconds-hand (F)
- 24-hours indicator (L)
- Small hours-hand of the chronograph (I)
- Small minutes-hand of the chronograph (H)

The chronograph second are displayed by the centre-hand (G)
The calendar is positioned at 8 o'clock (M)

DISTINCTIVE FEATURES OF THE MOVEMENT

Chronographic automatic movement, 28,800 vibrations per hour

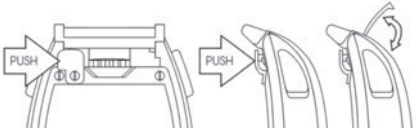
- Micrometric regulator
- "Glucydur" balance for regulating the movement (the inoxidizable alloy of which has a low coefficient of expansion), combined with a self-compensating spiral; it is hence insensitive to temperature fluctuations and ensures an optimum regulation of the movement
- Number of rubies: 37
- 42-hours power-reserve under optimum conditions

Exclusive device by Eberhard & Co. with counters arranged in a row

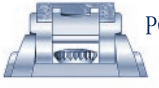
- Number of rubies: 16

OPERATING THE CROWN

The crown is placed at 12 o'clock and protected by a special device (Patent Pending), which is activated by a small trigger button. To operate the crown, you need to open the device in the following manner:



POS. A - WINDING POSITION – To hand-wind the watch, turn the crown clockwise. When it is unscrewed, turn it clockwise to transmit the manual charge to the movement. If your "CHRONO 4 TEMERARIO" has not been worn for some time, the movement has to be wound manually, in order to obtain immediately a sufficient power-reserve and to ensure accurate working of the watch.



POS. B - RAPID DATE-SETTING – Pull the crown to the first catch. Turning the crown counter-clockwise, you can then set desired date.

POS. C - TIME SETTING – To set the time (hours and minutes), pull the crown to the second catch.

IMPORTANT

Before closing the protective device, it is necessary to return the crown to POSTION A. To ensure the device is closed correctly, press it until you hear it click.

OPERATING INSTRUCTIONS FOR THE CHRONOGRAPH

Press the push-button (A) to start the chronograph mechanism. Press the push-button a second time to stop the chronograph mechanism. You can now read on the counters how many seconds (G), minutes (H) and hours (I) have elapsed. Press the push-button again and the chronograph will restart from the intermediate stop. To return to zero, the chronograph must be in the stop position. Press the second push-button (B) and all hands will return to zero. You are advised not to leave the chronograph mechanism operating continuously.

PUSH-BUTTONS

Make sure push-buttons are always pressed in the following order:

(A) : start
(A) : stop
(B) : return to zero

Abide by this sequence quite severely so as to preclude damage to the mechanism.
Never make use of the push-buttons under water since they are not watertight while being pressed.

TACHOMETER SCALE

The internal rim of the dial shows the data needed for metering the speed of a vehicle over a distance of 1,000 metres.
The moment the vehicle passes the first reading marking the beginning of said 1,000m distance, activate the hand (G) of the chronograph to bring it to a stop the moment the vehicle passes the second reading mark. Said hand (G) will now indicate the average speed reached in km/h in tune with the tachometer scale.
Example: when one kilometre is covered within 45 seconds, the average speed displayed by the centre seconds-hand (G) on the tachometer scale will be tantamount to a speed of 80km/h.

DIRECTIONS FOR USE OF WATERTIGHT WATCHES

You may wear your "CHRONO 4 TEMERARIO" when in the water or when taking a shower, but it is not fit for swimming, plunging or diving activities. Important: do not activate the pushbuttons nor manipulate the crown as long as the watch is in the water or wet. We strongly recommend that you have the water-resistance checked at least once a year by a qualified technical service facility in order to find out if the gaskets need to be replaced.

Founded well over a century ago in 1887, the Eberhard & Co. manufactory has since been concerned to abide by its own watchmaking philosophy.

Your "Eberhard" was likewise manufactured by us in that tradition of commitment to superior workmanship and the choicest of materials for the best possible product, and this is now confirmed by the most up-to-date technical service backed by the extreme care with which our well-trained staff have made this watch of yours to the best of their faculties.

We hereby guarantee your watch to be free from any defects in the way of materials used or workmanship in manufacture, for a period of 24 months under the proviso that the watch is maintained and handled properly. This guarantee does not cover damages incurred by faulty handling or exposure to shock or other adverse impact.

For technical revisions of the "CHRONO 4 TEMERARIO" model please contact only technical service facilities authorised by Eberhard & Co. The shipping and insurance charges are to be paid by the owner.

We recommend to have the movement checked every three years or whenever optimum functioning and precision are no longer ensured.

May your Eberhard & Co. "CHRONO 4 TEMERARIO" see you through "good times at any time".

www.eberhard-co-watches.ch